### **HEWLETT-PACKARD COMPANY**

Intellectual Property Administration P. O. Box 272400

Fort Collins, Colorado 80527-2400



## PATENT APPLICATION

ATTORNEY DOCKET NO. 200314668-1

#### ENT AND TRADEMARK OFFICE UNITED ST

Inventor(s):

YONG WANG, et al.

Confirmation No.: 7773

**Application No.: 10/701,864** 

Examiner: Michael P. Nghiem

Filing Date:

11/05/2003

Group Art Unit: 2863

Title:

SYSTEM AND METHOD FOR DETERMINING S-PARAMETERS

Mail Stop Amendment **Commissioner for Patents** PO Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- under 37 CFR 1.97(b), or (Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97 (c) together with either a:
  - (X) Statement under 37 CFR 1.97(e), or
  - ( ) a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97 (d) together with a:
  - ( ) Statement under 37 CFR 1.97(e)(1) or (2), and
  - a \$180.00 fee set forth in 37 CFR 1.17(p). (Filed after final action, a notice of allowance, on or before payment of the issue fee)

. At any time during the Please charge to Deposit Account 08-2025 the sum of \$0.00 pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

- Applicant(s) submit herewith Form PTO 1449 Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.
- ( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X	I hereby certify that this correspondence is being
	deposited with the United States Postal Service
	as first class mail in an envelope addressed to:
	Commissioner for Patents, Alexandria, VA
	22313-1450. Date of Deposit: May 18, 2005
	OR
(	) I hereby certify that this paper is being
	transmitted to the Patent and Trademark Office

facsimile number

Number of pages:

Signature: Rev 12/04 (IDSCERT)

Respectfully submitted

YONG WANG, et

Gary J. Pitzer

Attorney/Agent for Applicant(s)

Reg. No. 39,334

Date: May 18, 2005

Telephone No.: (216) 621-2234

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 2995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

MAY 2 0 2005

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Comple	ete if Known
Application Number	10/701,864
Filing Date	November 5, 2003
First Named Inventor	Yong Wang, et al.
Art Unit	3863
Examiner Name	Michael P. Nghiem
Attorney Docket Number	200312367-1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2 (If</sup> Known)	Publication Date MM-DD-YYYY	Name Of Patentee Or Applicant Of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		US- 2003/0115008	06/2003	Doi, Yutaka	
		US- 4,497,030	01/1985	Bowling, et al.	
		US- 4,775,845	10/1988	McCoy, Jody A.	
		US- 5,548,221	08/1996	Adamian, et al.	
		US- 5,548,538	08/1996	Grace, et al.	
		US- 5,578,932	11/196	Adamian, Vahe A.	
		US- 5,552,714	09/1996	Adamian, et al.	
		US- 6,300,775	10/2001	Peach, et al.	
		US- 6,594,604	07/2003	Metzger, et al.	
		US- 6,836,743	12/2004	Blackham, et al.	
		US-			

# FOREIGN PATENT DOCUMENTS

Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т <sup>8</sup>
Initials	No.1	Country Code-Number-Kind Code (If Known)				
		1-1-1-1				
EXAMINER SIGNATURE			DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required by 37 confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known 10/701,864 **Application Number** Substitute for form 1449/PTO November 5, 2003 Filing Date INFORMATION DISCLOSURE Yong Wang, et al. First Named Inventor STATEMENT BY APPLICANT Art Unit 3863 (Use as many sheets as necessary) Michael P. Nghiem **Examiner Name** 200312367-1 Attorney Docket Number 2 of Sheet

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published				
-		Vector Network Analyzers R&S ZVB (http://www.rohde-schwarz.com/www/dev_center.nsf/html/zvb)				
	-					
<u></u>						

Examiner	Date	
Signature	Considered	1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.** 

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.